Differential pressure sensor e.g. for vehicle fuel tank - contains two semiconducting membranes with sensor elements on upper sides in commor reference chamber, lower sides exposed to different pressures

Patent number:

DE4227893

Also published as:

Publication date:

1993-04-22

JP5248979 (/

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Classification:

- international:

B60K15/077; G01F23/14; G01L7/08; G01L9/00;

G01L13/02

- european:

B60K15/077; G01F23/16C; G01F23/18; G01L13/02C

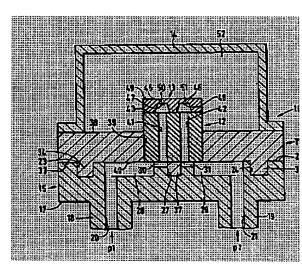
Application number: DE19924227893 19920822

Priority number(s): DE19924227893 19920822; DE19914134444 19911018

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Abstract of DE4227893

The differential pressure sensor contains at least one semiconducting membrane (45) with at least one sensor element (50) formed on its upper side. The lower side of the membrane is exposed to one of the two pressures (p1) forming the differential pressure. A second membrane (46) with at least one sensor element on (51) its upper side is exposed on its lower side to the second pressure (p2). The sensor elements are connected so as to form a difference. The upper sides of the membranes are arranged in a common reference chamber (52). ADVANTAGE - Simple, suitable for use in aggressive and corrosive media.



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